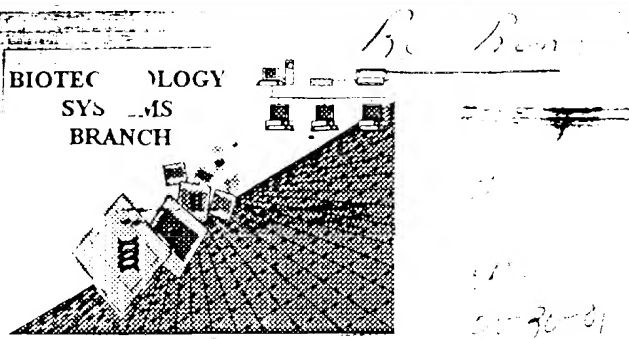


RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/490,609

Source: OIP

Date Processed by STIC: 2-15-00

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin30help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

FYI → The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST 25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

[illegible]

File Name: A:\3170Seq\1st.LtL
File Name: N:\CRF3\02132001\1490509A.raw

Does Not Comply
Corrected Diskette Needed

OK>

RECEIVED

MAR 6 2001

TECH CENTER 1600/2900

09 shown

E--> 8798 locotype

19

see next page for more errors

09/490, 609A 2

<210> 6
<211> 366
<212> DNA
<213> Rattus norvegicus
<220> ← This is MANDATORY whenever <221>, <222>, or <223> is shown
<223> unsure at all n locations
<400> 6

(global error)
insert <221> and response
insert <222> and response
whenever "n" or "Xaa"
is shown (see 1.823 of
new Sequence Rules!)

FYI:

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

US/09/490,609A

N:\CFI 3\02132001\1490609A.raw

21301

VERIFICATION SUMMARY

US/09/490,609A

A:\3170SeqList.txt

N:\CRF3\02132001\I490609A.raw

The following is a summary of the verification results for the sequence data. The data was read from the file A:\3170SeqList.txt and compared against the reference sequence in N:\CRF3\02132001\I490609A.raw. The verification was performed using the following parameters:

- Sequence Length: 1000000
- Window Size: 1000
- Overlap: 500
- Threshold: 95%

The results of the verification are as follows:

- Sequence Length: 1000000
- Window Size: 1000
- Overlap: 500
- Threshold: 95%
- Number of Sequences: 1000
- Number of Sequences Meeting Threshold: 1000
- Number of Sequences Failing Threshold: 0

The following table shows the results of the verification for each sequence:

Sequence ID	Sequence Length	Window Size	Overlap	Threshold	Number of Sequences Meeting Threshold	Number of Sequences Failing Threshold
1	1000000	1000	500	95%	1000	0
2	1000000	1000	500	95%	1000	0
3	1000000	1000	500	95%	1000	0
4	1000000	1000	500	95%	1000	0
5	1000000	1000	500	95%	1000	0
6	1000000	1000	500	95%	1000	0
7	1000000	1000	500	95%	1000	0
8	1000000	1000	500	95%	1000	0
9	1000000	1000	500	95%	1000	0
10	1000000	1000	500	95%	1000	0
11	1000000	1000	500	95%	1000	0
12	1000000	1000	500	95%	1000	0
13	1000000	1000	500	95%	1000	0
14	1000000	1000	500	95%	1000	0
15	1000000	1000	500	95%	1000	0
16	1000000	1000	500	95%	1000	0
17	1000000	1000	500	95%	1000	0
18	1000000	1000	500	95%	1000	0
19	1000000	1000	500	95%	1000	0
20	1000000	1000	500	95%	1000	0
21	1000000	1000	500	95%	1000	0
22	1000000	1000	500	95%	1000	0
23	1000000	1000	500	95%	1000	0
24	1000000	1000	500	95%	1000	0
25	1000000	1000	500	95%	1000	0
26	1000000	1000	500	95%	1000	0
27	1000000	1000	500	95%	1000	0
28	1000000	1000	500	95%	1000	0
29	1000000	1000	500	95%	1000	0
30	1000000	1000	500	95%	1000	0
31	1000000	1000	500	95%	1000	0
32	1000000	1000	500	95%	1000	0
33	1000000	1000	500	95%	1000	0
34	1000000	1000	500	95%	1000	0
35	1000000	1000	500	95%	1000	0
36	1000000	1000	500	95%	1000	0
37	1000000	1000	500	95%	1000	0
38	1000000	1000	500	95%	1000	0
39	1000000	1000	500	95%	1000	0
40	1000000	1000	500	95%	1000	0
41	1000000	1000	500	95%	1000	0
42	1000000	1000	500	95%	1000	0
43	1000000	1000	500	95%	1000	0
44	1000000	1000	500	95%	1000	0
45	1000000	1000	500	95%	1000	0
46	1000000	1000	500	95%	1000	0
47	1000000	1000	500	95%	1000	0
48	1000000	1000	500	95%	1000	0
49	1000000	1000	500	95%	1000	0
50	1000000	1000	500	95%	1000	0
51	1000000	1000	500	95%	1000	0
52	1000000	1000	500	95%	1000	0
53	1000000	1000	500	95%	1000	0
54	1000000	1000	500	95%	1000	0
55	1000000	1000	500	95%	1000	0
56	1000000	1000	500	95%	1000	0
57	1000000	1000	500	95%	1000	0
58	1000000	1000	500	95%	1000	0
59	1000000	1000	500	95%	1000	0
60	1000000	1000	500	95%	1000	0
61	1000000	1000	500	95%	1000	0
62	1000000	1000	500	95%	1000	0
63	1000000	1000	500	95%	1000	0
64	1000000	1000	500	95%	1000	0
65	1000000	1000	500	95%	1000	0
66	1000000	1000	500	95%	1000	0
67	1000000	1000	500	95%	1000	0
68	1000000	1000	500	95%	1000	0
69	1000000	1000	500	95%	1000	0
70	1000000	1000	500	95%	1000	0
71	1000000	1000	500	95%	1000	0
72	1000000	1000	500	95%	1000	0
73	1000000	1000	500	95%	1000	0
74	1000000	1000	500	95%	1000	0
75	1000000	1000	500	95%	1000	0
76	1000000	1000	500	95%	1000	0
77	1000000	1000	500	95%	1000	0
78	1000000	1000	500	95%	1000	0
79	1000000	1000	500	95%	1000	0
80	1000000	1000	500	95%	1000	0
81	1000000	1000	500	95%	1000	0
82	1000000	1000	500	95%	1000	0
83	1000000	1000	500	95%	1000	0
84	1000000	1000	500	95%	1000	0
85	1000000	1000	500	95%	1000	0
86	1000000	1000	500	95%	1000	0
87	1000000	1000	500	95%	1000	0
88	1000000	1000	500	95%	1000	0
89	1000000	1000	500	95%	1000	0
90	1000000	1000	500	95%	1000	0
91	1000000	1000	500	95%	1000	0
92	1000000	1000	500	95%	1000	0
93	1000000	1000	500	95%	1000	0
94	1000000	1000	500	95%	1000	0
95	1000000	1000	500	95%	1000	0
96	1000000	1000	500	95%	1000	0
97	1000000	1000	500	95%	1000	0
98	1000000	1000	500	95%	1000	0
99	1000000	1000	500	95%	1000	0
100	1000000	1000	500	95%	1000	0

